

| <b>Notice of Allowability</b> | <b>Application No.</b>       | <b>Applicant(s)</b> |
|-------------------------------|------------------------------|---------------------|
|                               | 10/792,000                   | SUZUKI ET AL.       |
|                               | Examiner<br>Heather R. Jones | Art Unit<br>2621    |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to the application filed on March 3, 2004.
2.  The allowed claim(s) is/are 1-9 and 11-19 (which have been renumbered as 1-18 respectively).
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*
  - c)  None
 of the:
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 8/9/2004, 1/4/2005, 10/6/2006
4.  Examiner's Comment Regarding Requirement for Deposit of Biological Material
5.  Notice of Informal Patent Application
6.  Interview Summary (PTO-413),  
Paper No./Mail Date 9/25/2007.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Thomas F. Presson on September 25, 2007.

The application has been amended as follows:

**Claim 9:** change "recording medium containing" to --computer-readable medium storing--.

**Claim 10:** canceled.

**Claim 19:** change "recording medium containing" to --computer-readable medium storing--.

**Claim 20:** canceled.

### ***Allowable Subject Matter***

2. Claims 1-9 and 11-19 are allowed.
3. The following is an examiner's statement of reasons for allowance:

Prior art fails to teach or suggest a disc apparatus for recording encoded video data on a disc, comprising: generating means for generating a table based on the determination result from the determining means, the table including

pieces of identification information of each frame: identification information indicating whether the first field of the frame is a top field, identification information indicating whether the frame includes a repeat field, and identification information indicating whether the frame is a dummy frame (claims 1, 8, and 9).

Prior art fails to teach or suggest a disc apparatus for playing back encoded video data recorded on a disc, comprising: playback means for playing back the video data and a table from the disc, the table including pieces of identification information of each frame of the video data: identification information indicating whether the first field of the frame is a top field, identification information indicating whether the frame includes a repeat field, and identification information indicating whether the frame is a dummy frame (claims 11, 18, and 19).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
  - a. Weaver (U.S. Patent 6,112,226) discloses in Fig. 2B a tag file for each frame that specifies the program elementary stream ("PES") state, the transport

layer state, and the video layer state which specifies the picture size, start position, time value, frame type, and timing buffer info.

b. Yaguchi et al. (U.S. Patent Application Publication 2003/0174549) discloses in Fig. 5 a table showing special reproduction information that includes the frame occurrence pattern, the total number of head positions of frames included in this disk access unit, head position of first frame, length of frame, kind of frame, and the integration value of number of frames.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Heather R. Jones whose telephone number is 571-272-7368. The examiner can normally be reached on Mon. - Thurs.: 7:00 am - 4:30 pm, and every other Fri.: 7:00 am - 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller can be reached on 571-272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

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USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Heather R Jones  
Examiner  
Art Unit 2621

HRJ  
September 25, 2007



JOHN MILLER  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600